

Docket No.: 408-00



3635

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Enrique Molina)
Serial No.: 09/995,486) Art Unit 3635
Filed: November 28, 2001) Examiner:
For: BUILDING CONSTRUCTION SYSTEM) Steven Varner

Commissioner of Patents
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By: 

SUPPLEMENTAL TO RESPONSE

This is supplemental to the response to the office action of March 28, 2005 sent to the PTO on June 27, 2005. Applicant's undersigned attorney discovered that the location of the quotes from the Wepf and Krecke references are missing. Therefore, the quotes are repeated and specifically designated as follows.

Wepf uses a unique tie bar structure and characterizes the problem he addresses.

In many concrete wall constructions it is desired to reinforce the wall with steel reinforcing rod. By and large the reinforcing rod, where desired, comprises a grid having vertical and horizontal members. The grid for such a wall is typically constructed by wiring the various members together where they cross such that the entire grid is substantially supported. The location of the reinforcing rod is carefully controlled. As a heavy material such as concrete is poured into the space between the forms there is a tendency to move the reinforcing rods unless the rods are firmly located with respect to the forms (emphasis added).

(Wepf '156, Col. 1, line 61- Col. 2, line 4.)

Wepf explains how his "grid" and its elements are attached to his novel tie bar.

The use of the tie bar can best be understood with reference to FIG. 1. Form 14 is first located at the desired position. The tie 10 is assembled to the form 14 by passing the head 32 through a hole in the form and securing with the wedge 36. Vertical reinforcing rods

of grid 18 are then positioned according to the following method. A reinforcing rod is positioned against member 24 within the central portion 50 as shown in FIG. 1. A large diameter rod 80 may be brought into contact with the larger radius as shown in phantom outline in FIG. 2 and the reinforcing rod tied to the member 22 with the typical form of tying wire.

(Wepf '156, Col. 5, lines 17-28,)

Wepf ties vertical reinforcing rods to member 22 of tie bar 10 and specifically states:

Once all the vertical rods of grid 18 have been located by tying the same to the moulded member 24 of several ties as may be appropriate, the horizontal rod of the grid may be positioned and tied in place by tying the horizontal rods to the vertical rods as required....

After all the rods of grid 18 have been tied in place, the horizontal rods of grid 16 are placed loosely on the tie bars. When all horizontal rods have been loosely positioned, the vertical rods of grid 16 may be tied to moulded member 22 of the tie bars as appropriate. This is done in the same manner as explained with respect to grid 18. After the vertical rods have been tied to the tie bars, the horizontal rods may be lifted up from their resting place and tied to the vertical rods. When all tying has been completed form 12 is passed over the heads 30 and positioned against the spacer 26. Form 12 is then secured by means of wedge 34 to create a rigid structure in which the forms and reinforcing rods are all accurately and rigidly located ready for pouring of concrete.

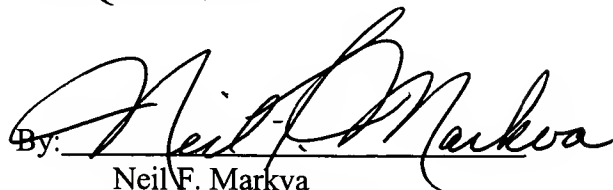
(Wepf '156, Col. 5, lines 38-42 and lines 50-64.)

With respect to Krecke's disclosure in his Figure 15, he states:

In regard to the tie members used in the constructions shown in FIGS. 16 to 18, the tie member 11, as shown in FIG. 15, may be provided with two peripheral grooves 71 extending around the shaft or central portion thereof, at the transition between the shaft or central portion and the plate-like end portions 62. Horizontal and/or vertical reinforcing bars 72 can thus be fitted into the grooves 71, to provide extra location for the bars and to further stiffen the structure (emphasis added).

(Krecke '014, Col. 14, lines 29-37.)

Respectfully submitted,
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